

**REVISED TABLE 1
PROPOSED MONITORING PROGRAM
ARMY CREEK LANDFILL, NEW CASTLE, DELAWARE**

Monitoring Location	Well Type	PFAS	Western Lobe	Cations and Anions	Supply Wells	Water Levels
MW-28	Former Recovery	X		X		X
MW-29	Former Recovery	X		X		X
MW-31	Former Recovery	X		X		X
RW-10	Former Recovery	X	X	X		X
BW-1	Existing Monitoring	X		X		X
BW-2	Existing Monitoring	X		X		X
BW-3	Existing Monitoring	X		X		X
MW-40	Existing Monitoring	X		X		X
MW-38N	Existing Monitoring					X
P-4	Existing Monitoring	X	X	X		X
P-4L	Proposed Monitoring	X	X	X		X
WL-1U	Proposed Monitoring	X	X	X		X
WL-1L	Proposed Monitoring	X	X	X		X
WL-2U	Proposed Monitoring	X	X	X		X
WL-2L	Proposed Monitoring	X	X	X		X
P-5U	Existing Monitoring					X
P-5L	Existing Monitoring					X
P-6	Existing Monitoring					X
MW-22N	Existing Monitoring	X	X	X		X
MW-22NU	Proposed Monitoring	X	X	X		X
MW-26N	Existing Monitoring					X
MW-49N	Existing Monitoring					X
MW-54	Existing Background	X				X
MW-56	Existing Background	X				X
MW-58	Existing Background	X				X
MW-18	Existing Monitoring					X
DGC-10S	Existing Monitoring					X
DGC-10D	Existing Monitoring					X
DGC-11S	Existing Monitoring					X
DGC-11D	Existing Monitoring					X
GV-1	Gas Vent	X				X
GV-7	Gas Vent	X				X
GV-9	Gas Vent	X				X
GV-13	Gas Vent	X				X
GV-14	Gas Vent	X				X
GV-17	Gas Vent	X				X
GV-29	Gas Vent	X				X
GV-46	Gas Vent	X				X
GV-48	Gas Vent	X				X
GV-51	Gas Vent	X				X
AWC-2	Supply Well			X	X	
AWC-G3R	Supply Well			X	X	
AWC-6R	Supply Well			X	X	
AWC-7	Supply Well			X	X	

5/3/2019

Notes:

X - Groundwater samples will be analyzed for PFAS suite, consistent with the PFAS suite for DS&G, plus field parameters

Samples from gas vents will be analyzed for PFAS suite only

X - Quarterly analytical parameters will include VOCs, total and dissolved iron, total and dissolved manganese, total and dissolved cobalt, and field parameters.

X - The semi-annual events (April and October) will include anions and cations as follows:

calcium, magnesium, potassium, sodium, ammonia, nitrate, nitrite, sulfate, sulfide, chloride, and bicarbonate.

X - Supply wells will be sampled by AWC monthly for iron and manganese analyses, and quarterly for cobalt.

Cations and anions to be sampled semi-annually. Only wells that are operating will be sampled during each event.

X - A complete round of water levels will be measured synoptically at all wells, within 48 hours of the completion of the sampling event.

(1) - PFAS monitoring event will be conducted synoptically during the first DS&G event performed after the new wells are installed.

(2) - Western Lobe Study will be conducted quarterly for four quarters, two of which will be done at same time as annual/semi-annual events.

(3) - Field Indicator Parameters include temperature, specific conductance, pH, oxidation-reduction potential, dissolved oxygen and turbidity.